

U.S. DEPARTMENT OF LABOR
Occupational Safety & Health Administration
MATERIAL SAFETY DATA SHEET

DPM 950-28		SECTION I	
MANUFACTURER'S NAME E. I. du Pont de Nemours & Co. (Inc.)		EMERGENCY TELEPHONE NO. (302) 774-7500	
ADDRESS (Number, Street, City, State, and ZIP Code) Wilmington, DE 19898			
CHEMICAL NAME AND SYNONYMS Copper Cyanide (Cuprous Cyanide)		TRADE NAME AND SYNONYMS Copper Cyanide	
CHEMICAL FAMILY Cyanide	FORMULA CuCN		

SECTION II HAZARDOUS INGREDIENTS					
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
N.A.*					

SECTION III PHYSICAL DATA			
BOILING POINT (°F.) (Decomposes)	N.A.	SPECIFIC GRAVITY (H ₂ O=1)	2.92
VAPOR PRESSURE (mm Hg.)	N.A.	PERCENT VOLATILE BY VOLUME (%)	N.A.
VAPOR DENSITY (AIR=1)	N.A.	EVAPORATION RATE (_____ = 1)	N.A.
SOLUBILITY IN WATER	Insoluble		
APPEARANCE AND ODOR Creamy white powder			

SECTION IV FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used) N.A. (nonflammable)	FLAMMABLE LIMITS N.A.	LeI	UeI
EXTINGUISHING MEDIA N.A.			
SPECIAL FIRE FIGHTING PROCEDURES N.A.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Reacts violently with nitrates and other oxidizing salts.			

*Not Applicable

NOTICE FROM DU PONT

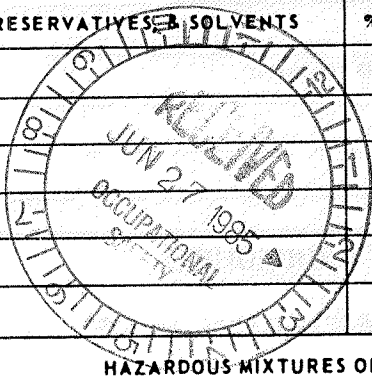
The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

ORANGE COUNTY CHEMICAL CO.

Industrial Chemicals

1230 E. ST. GERTRUDE

SANTA ANA, CALIFORNIA 92707



SECTION V HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	5 mg/M ³ (as cyanide) - skin
EFFECTS OF OVEREXPOSURE	May be fatal if swallowed or inhaled. Causes eye burns and may irritate skin
EMERGENCY AND FIRST AID PROCEDURES	
Immediately flush skin or eyes with plenty of water for at least 15 minutes; for eyes, call a physician. Always have a Cyanide First Aid Kit on hand. Carry person to fresh air; have him lie down. Remove contaminated clothing. Keep person warm. Start treatment immediately. Never give anything by mouth to an unconscious person. (See M.C.A. SD-30 for further details.)	

SECTION VI REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID Reacts with boiling dilute hydrochloric acid
	STABLE	X	to form cuprous chloride and HCN gas.
INCOMPATIBILITY (Materials to avoid) Contact with acids or acid salts liberates poisonous gas			
HAZARDOUS DECOMPOSITION PRODUCTS Hydrogen Cyanide			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Avoid breathing dust or gas. Do not get in eyes. Avoid skin contact.	
WASTE DISPOSAL METHOD	
Sweep up spilled material and return to container. Do not flush solutions to sewer which may contain acids.	

SECTION VIII SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify type) Use respirator (U.S. Bureau of Mines) if there is chance of inhaling dust		
VENTILATION	LOCAL EXHAUST Maintain adequate ventilation	SPECIAL Air or oxygen mask in emergencies
	MECHANICAL (General) N.A.	OTHER N.A.
PROTECTIVE GLOVES Rubber gloves for solutions Dry cotton gloves (powder)		EYE PROTECTION Chemical safety goggles and/or face shield
OTHER PROTECTIVE EQUIPMENT Hard hats or brimmed felt hats; leather or rubber safety shoes; long sleeved shirts		

SECTION IX SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Wash thoroughly after handling. Keep container closed and away from acids.	
Store in a dry place. Wash contaminated clothing before re-use.	
OTHER PRECAUTIONS	
Food, foodstuffs, gum, beverages, and tobacco should not be stored or carried into work areas where contamination with copper cyanide is possible.	

For more information refer to:

Du Pont Copper Cyanide Data Sheet A-78377
Manufacturing Chemists Association SD-30

A-79919

11/72